



SEQUENCE LISTING

<110> Daly, John Michael

<120> Constructs for Gene Expression Analysis

<130> 12177722

<140> Unassigned

<141> 2003-09-09

<150> USSN 60/274770

<151> 2001-03-09

<150> PCT/AU02/00351

<151> 2001-03-08

<160> 57

<170> PatentIn version 3.2

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<400> 4

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 aagctt 6

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<400> 8  
 aagcttagcc atggcttccc gccggcggtg gcggcgcagg atgatggcac gctgcccattg 60

tcttgtagcc aggagagcgg gatggaccgt caccctgcag cctgtgcttc tgctaggatc 120

aatgtgtag 129

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<400> 9  
 uuauuuauug gcgguuauuu auucggcgguu auuuauugcg cguuauuuau uacuag 56

<210> 10  
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<220>  
 <221> misc\_feature  
 <222> (1)..(8)  
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<400> 10  
 gacnnnnngt c 11

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<220>  
 <223> EclHK1 recognition sequence Example 1

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 <221> misc\_feature  
 <222> (4)..(5)  
 <223> n = any nucleotide

<220>  
 <221> misc\_feature  
 <222> (7)..(8)  
 <223> n = any nucleotide

<400> 11  
 gacnntnngt c 11

<210> 12  
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 <212> DNA  
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<220>  
 <223> EclHK1 recognition sequence Example 2

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 <222> (4)..(5)  
 <223> n = any nucleotide  
  
 <220>  
 <221> misc\_feature  
 <222> (7)..(8)  
 <223> n = any nucleotide  
  
 <400> 12  
 gacnnanngt c 11  
  
 <210> 13  
 <211> 9  
 <212> DNA  
 <213> mammalian  
  
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 ttattttatt 9  
  
 <210> 14  
 <211> 75  
 <212> DNA  
 <213> mammalian  
  
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 aaaacgtttt attgtgtttt taattttattt attaagatgg attctcagat atttatattt 60  
 ttatttttatt ttttt 75  
  
 <210> 15  
 <211> 226  
 <212> DNA  
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 atgcatgatc aaatgcaacc tcacaacctt ggctgagtct tgagactgaa agatttagcc 60  
 ataatgtaaa ctgcctcaaa ttggactttg ggcataaaaag aactttttta tgcttaccat 120  
 cttttttttt tctttaacag atttgtattt aagaattggt tttaaaaaat ttttaagattt 180  
 acacaatggt tctctgtaaa tattgccatt aaatgtaaat aacttt 226  
  
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 <212> DNA  
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ggtatcctga cca 73

<210> 17  
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aguaauuuu auauuuuuu auuuuuuuuu uuuuuuuuu uuuuuuuuu uaa 53

<210> 18  
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<212> DNA  
<213> mammalian

<400> 18  
agtaatat tt atatatttat attttttaaaa tattttattta tttattttatt taa 53

<210> 19  
<211> 73  
<212> DNA  
<213> mammalian

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aacgttttat tgtgttttta atttatttat taagatggat tctcagatat ttatattttt 60

attttattttt ttt 73

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<213> mammalian

<400> 20  
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tattttttttt 70

<210> 21  
<211> 89  
<212> RNA  
<213> mammalian

<400> 21  
uuucguuaac uguguaugua cauauauaua uuuuuuuuuu ugauuuuagc ugauuacugu 60

gaauaaacag cuucaugccu uuguaaguu 89

<210> 22  
<211> 89  
<212> DNA

<213> mammalian

<400> 22  
tttcgttaac tgtgtatgta catatatata ttttttaatt tgattaaagc tgattactgt 60  
gaataaacag cttcatgcct ttgtaagtt 89

<210> 23  
<211> 6  
<212> RNA  
<213> mammalian

<400> 23  
aauaaa 6

<210> 24  
<211> 89  
<212> RNA  
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<220>  
<223> Mutant of Peng c-jun ARE

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uuucguuaac uguguaugua cauauauaua uuuuuuaauu ugauuaaagc ugauuacugu 60  
ggauccacag cuucaugccu uuguaaguu 89

<210> 25  
<211> 89  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> DNA encoding mutant of Peng c-jun ARE

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ggatccacag cttcatgcct ttgtaagtt 89

<210> 26  
<211> 36  
<212> RNA  
<213> mammalian

<400> 26  
ucuauuuauu aaauuuuaac auuauuuaua uauggg 36

<210> 27  
<211> 36  
<212> DNA

<213> mammalian

<400> 27

tctattttatt aatattttaac attattttata tatggg 36

<210> 28

<211> 124

<212> RNA

<213> mammalian

<400> 28

cucuauuuau uuaaaauuuu aacuuuaauu uauuuuugga uguauuguuu acuaacuuuu 60

agugcuuccc acuuaaaaca uaucaggcuu cuauuuauuu aaauuuuuaa auuuuauauu 120

uauu 124

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<211> 124

<212> DNA

<213> mammalian

<400> 29

ctctattttat ttaaattttt aactttaatt tttttttgga tgtattgttt actaactttt 60

agtgtttccc acttaaaaca tatcaggctt ctattttattt aaatatttaa attttatatt 120

tatt 124

<210> 30

<211> 46

<212> RNA

<213> mammalian

<400> 30

auaaaccua auuuuuuuua uuuaaguaca uuugcuuuu aaaguu 46

<210> 31

<211> 46

<212> DNA

<213> mammalian

<400> 31

ataaacccta atttttttta tttaagtaca ttttgctttt aaagtt 46

<210> 32

<211> 119

<212> RNA

<213> mammalian

<400> 32

uagaauuuu auuaccucug auaccucaac ccccauuucu auuuuuuuac ugagcuucuc 60

ugugaacgau uuagaaagaa gcccaauauu auaauuuuuu ucaauuuua uuauuuuca 119

<210> 33  
 <211> 119  
 <212> DNA  
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<400> 33  
 tagaatatatt attacctctg atacctcaac cccattttct atttatttac tgagcttctc 60  
 tgtgaacgat ttagaaagaa gcccaatatt ataatttttt tcaatattta ttattttca 119

<210> 34  
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 <212> RNA  
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<400> 34  
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 uuauuuauuu aagacagucc caucaaaacu cgcucuugg aauc 105

<210> 35  
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 ttattttattt aagacagtcc catcaaaact cgtcttttgg aaatc 105

<210> 36  
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<400> 36  
 auuauuuauu auuuauuuau uauuuuuua uuua 34

<210> 37  
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 <212> DNA  
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 attatttatt atttatttat tatttattta tttta 34

<210> 38  
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 <210> 39  
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 tattttattc cattaaggct atttatttat gtatttatgt atttatttat ttatt 55  
  
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 ttatttaww 9  
  
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 <213> mammalian  
  
 <400> 41  
 attta 5  
  
 <210> 42  
 <211> 4  
 <212> DNA  
 <213> mammalian  
  
 <400> 42  
 attt 4  
  
 <210> 43  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence  
  
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 <223> Consensus DST sequence  
  
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 <221> misc\_feature  
 <222> (5)..(5)  
 <223> n = from 2-9 nucleotides, wherein each individual nucleotide can  
 be any nucleotide

<220>  
 <221> misc\_feature  
 <222> (15)..(15)  
 <223> n = from 3-8 nucleotides, wherein each individual nucleotide can be any nucleotide

<400> 43  
 ggagncatag attanmwtt tgtay 25

<210> 44  
 <211> 25  
 <212> DNA  
 <213> Soybean

<220>  
 <221> misc\_feature  
 <222> (5)..(5)  
 <223> n = 5 nucleotides , wherein each individual nucleotide can be any nucleotide

<220>  
 <221> misc\_feature  
 <222> (15)..(15)  
 <223> n =8 nucleotides , wherein each individual nucleotide can be any nucleotide

<400> 44  
 ggagncatag attanaaatt tgtac 25

<210> 45  
 <211> 25  
 <212> DNA  
 <213> Arabidopsis

<220>  
 <221> misc\_feature  
 <222> (5)..(5)  
 <223> n = 9 nucleotides , wherein each individual nucleotide can be any nucleotide

<220>  
 <221> misc\_feature  
 <222> (15)..(15)  
 <223> n = 8 nucleotides , wherein each individual nucleotide can be any nucleotide

<400> 45  
 ggaancatag atcgncaatg cgtat 25

<210> 46  
 <211> 30

<212> RNA  
 <213> mammalian  
  
 <400> 46  
 guucuugcuu caacaguguu ugaacggaac 30  
  
 <210> 47  
 <211> 30  
 <212> DNA  
 <213> mammalian  
  
 <400> 47  
 gttcttgctt caacagtgtt tgaacggaac 30  
  
 <210> 48  
 <211> 29  
 <212> RNA  
 <213> mammalian  
  
 <400> 48  
 gauuaucggg agcagugucu uccaauauc 29  
  
 <210> 49  
 <211> 29  
 <212> DNA  
 <213> mammalian  
  
 <400> 49  
 gattatcggg agcagtgtct tccataatc 29  
  
 <210> 50  
 <211> 226  
 <212> DNA  
 <213> mammalian  
  
 <400> 50  
 atgcatgac aaatgcaacc tcacaacctt ggctgagtct tgagactgaa agatttagcc 60  
 ataatgtaaa ctgcctcaaa ttggactttg ggcataaaaag aactttttta tgcttaccat 120  
 cttttttttt tctttaacag atttgtatct aagaattgtt tttaaaaaat ttttaagattt 180  
 acacaatgtt tctctgtaaa tattgccatt aaatgtaaat aacttt 226  
  
 <210> 51  
 <211> 30  
 <212> RNA  
 <213> mammalian  
  
 <220>  
 <221> misc\_feature

<222> (4)..(4)  
 <223> n = from 20-40 nucleotides, wherein individual nucleotides are  
 selected from any nucleotide  
  
 <220>  
 <221> misc\_feature  
 <222> (19)..(19)  
 <223> n is a, c, g, or u  
  
 <400> 51  
 uganccaaag gyyyuuyuna rrrccaccca 30

<210> 52  
 <211> 30  
 <212> DNA  
 <213> mammalian

<220>  
 <221> misc\_feature  
 <222> (4)..(4)  
 <223> n = from 20-40 nucleotides, wherein individual nucleotides are  
 selected from any nucleotide

<220>  
 <221> misc\_feature  
 <222> (19)..(19)  
 <223> n is a, c, g, or t

<400> 52  
 tganccaaag gyytytna rrrccaccca 30

<210> 53  
 <211> 16  
 <212> RNA  
 <213> mammalian

<220>  
 <221> misc\_feature  
 <222> (5)..(5)  
 <223> n = any number of nucleotides, wherein individual nucleotides are  
 selected from any nucleotide

<220>  
 <221> misc\_feature  
 <222> (11)..(11)  
 <223> n = any number of nucleotides, wherein individual nucleotides are  
 selected from pyrimidines

<400> 53  
 yccanccw yucycc 16

<210> 54

<211> 46  
<212> DNA  
<213> mammalian

<400> 54  
cctcctgccc gctgggcctc ccaacgggcc ctctcccct ccttgc 46

<210> 55  
<211> 5  
<212> DNA  
<213> mammalian

<400> 55  
cctcc 5

<210> 56  
<211> 9  
<212> DNA  
<213> mammalian

<400> 56  
cctcctgcc 9

<210> 57  
<211> 14  
<212> DNA  
<213> mammalian

<400> 57  
ccctcctccc ctgg 14